

GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.

OM protein - protein search, using sw model

Run on: June 27, 2003, 18:00:45 ; Search time 14 Seconds
(without alignments)
31.525 Million cell updates/sec

Title: US-09-300-612-1

Perfect score: 84

Sequence: 1 LKAMDTPPLWIKTE 15

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Issued_Patents_AA:*
1: /cgn2_6/ptodata/1/1aa/5A_COMB.pep.*
2: /cgn2_6/ptodata/1/1aa/5B_COMB.pep.*
3: /cgn2_6/ptodata/1/1aa/6A_COMB.pep.*
4: /cgn2_6/ptodata/1/1aa/6B_COMB.pep.*
5: /cgn2_6/ptodata/1/1aa/PCTUS_COMB.pep.*
6: /cgn2_6/ptodata/1/1aa/backfiles1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match %	Length	ID	Description
1	84	100.0	15	1	US-08-310-340A-1
2	84	100.0	15	1	US-08-657-163A-1
3	54	64.3	10	1	US-08-657-163A-2
4	46	54.8	1213	1	US-08-188-582-20
5	46	54.8	1213	1	US-08-646-715-20
6	41	48.8	4928	4	US-09-036-987A-5
7	41	48.8	4928	4	US-09-370-700-5
8	39.5	47.0	607	2	US-08-788-989-15
9	39.5	47.0	607	4	US-09-272-796-15
10	39	46.4	98	2	US-09-047-125-15
11	39	46.4	98	3	US-07-736-335E-15
12	39	46.4	206	2	US-08-477-396A-18
13	39	46.4	286	4	US-09-134-001C-4103
14	39	46.4	412	2	US-08-463-081B-14
15	39	46.4	412	2	US-08-461-379A-14
16	39	46.4	412	2	US-08-462-390B-14
17	39	46.4	412	3	US-08-463-074B-14
18	39	46.4	412	3	US-08-465-585C-14
19	39	46.4	412	3	US-08-652-446-14
20	39	46.4	412	4	US-09-462-624-2
21	38	45.2	267	2	US-07-857-224B-42
22	37.5	44.6	361	4	US-08-874-569B-21
23	37	44.0	15	4	US-08-602-999A-444
24	37	44.0	15	4	US-09-500-124-444
25	37	44.0	61	1	US-07-734-534A-5
26	37	44.0	210	4	US-09-071-035-232
27	37	44.0	256	4	US-09-071-035-230

Sequence 2, Appli
Sequence 2, Appli
Sequence 5, Appli
Sequence 5, Appli
Sequence 5, Appli
Sequence 7, Appli
Sequence 7, Appli
Sequence 178, App
Sequence 4, Appli
Sequence 14, Appli
Sequence 2, Appli
Sequence 2, Appli
Sequence 14, Appli
Sequence 14, Appli
Sequence 14, Appli
Sequence 5, Appli
Sequence 17, Appli
Sequence 477, App
Sequence 477, App

28 37 44.0 342 3 US-08-978-456-2
29 37 44.0 342 4 US-09-369-700-2
30 37 44.0 558 4 US-09-309-572-5
31 37 44.0 3170 2 US-07-642-734C-5
32 37 44.0 3170 3 US-08-439-009A-5
33 36 42.9 230 4 US-09-187-789-7
34 36 42.9 280 4 US-09-247-155-178
35 36 42.9 461 1 US-08-194-338-4
36 36 42.9 501 4 US-09-058-260-14
37 36 42.9 919 4 US-08-377-503-2
38 36 42.9 919 4 US-08-178-019-2
39 36 42.9 921 1 US-07-718-575-14
40 36 42.9 921 1 US-08-481-206-14
41 36 42.9 921 2 US-08-486-269A-14
42 36 42.9 1389 2 US-08-619-198-5
43 35.5 42.3 1081 4 US-09-369-364A-17
44 35 41.7 140 4 US-09-605-785-477
45 35 41.7 140 4 US-09-439-313-477

ALIGNMENTS

RESULT 1

US-08-310-340A-1

; Sequence 1, Application US/08310340A

; Patent No. 5576257

; GENERAL INFORMATION:

; APPLICANT: BINIE V. LIPPS AND FREDERICK W. LIPPS

; TITLE OF INVENTION: EMBODIMENTS OF NATURAL AND

; TITLE OF INVENTION: SYNTHETIC LETHAL TOXIN NEUTRALIZING FACTORS AND THEIR

; TITLE OF INVENTION: UTILITY AS TREATMENT FOR ENVENOMATION

; NUMBER OF SEQUENCES: 1

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: BINIE V. LIPPS

; STREET: 4509 MIMOSA DR.

; CITY: BELLAIRE

; STATE: TEXAS

; COUNTRY: USA

; ZIP: 77401

; COMPUTER READABLE FORM:

; MEDIUM TYPE: 3.5" FLOPPY DISK, 1.44 MB

; COMPUTER: IBM COMPATIBLE

; OPERATING SYSTEM: MS-DOS 5.0/WINDOWS 3.1

; SOFTWARE: MS WORD 2.0

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/310,340A

; FILING DATE: 22 SEPTEMBER 1994

; CLASSIFICATION: 514

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 08/058, 387

; FILING DATE: 10 MAY 1993

; ATTORNEY/AGENT INFORMATION:

; NAME:

; REGISTRATION NUMBER:

; REFERENCE/DOCKET NUMBER:

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 713-723-6845

; TELEFAX: 713-663-7290

; TELEX:

; INFORMATION FOR SEQ ID NO: 1:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 15

; TYPE: AMINO ACID

; STRANDEDNESS: SINGLE

; TOPOLOGY: LINEAR

; MOLECULE TYPE: PROTEIN IN SEQ ID NO: 1

; HYPOTHETICAL: NO

; ANTI-SENSE: NO

; FRAGMENT TYPE: N

; ORIGINAL SOURCE: OPOSSUM SERA: SEQ ID NO: 1:

; ORGANISM: DIDELPHIS VIRGINIANA

; STRAIN: WILD

INDIVIDUAL ISOLATE: TEXAS WILD
DEVELOPMENTAL STAGE: ADULT
HAPLOTYPE:
TISSUE TYPE: BLOOD
CELL TYPE:
CELL LINE:
ORGANELLE:
IMMEDIATE SOURCE: OPOSSUM SERA SEQ ID NO: 1:
LIBRARY:
CLONE:
PUBLICATION INFORMATION:
AUTHORS: JONAS PERALES, ET AL.
TITLE: ANTI-SNAKE VENOM FORM DIDEPLHIDAE
JOURNAL: INTERNATIONAL SOCIETY ON
JOURNAL: TOXINOLOGY
VOLUME: 10TH WORLD CONGRESS ON ANIMAL
VOLUME: PLANT AND MICROBIAL TOXINS 3-8 NOV 1991,
VOLUME: SINGAPORE
ISSUE: PROGRAMME AND ABSTRACTS
PAGES: 104
DATE: 3-8 NOV 1991
US-08-310-340A-1

Query Match 100.0% Score 84; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 5.4e-07;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 LKAMDPTPLWKTE 15
DB 1 LKAMDPTPLWKTE 15

RESULT 2
US-08-657-163A-1
; Sequence 1, Application US/08657163A
; Patent No. 574449
; GENERAL INFORMATION:
; APPLICANT: BINIE V. LIPPS AND FREDERICK W. LIPPS
; TITLE OF INVENTION: EMBODIMENTS OF NATURAL AND
; TITLE OF INVENTION: SYNTHETIC LTNFS AND THEIR
; TITLE OF INVENTION: UTILITY AS TREATMENT FOR ENVENOMATION
; NUMBER OF SEQUENCES: 3
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BINIE V. LIPPS
; STREET: 4509 MIMOSA DR.
; CITY: BELLAIRE
; STATE: TEXAS
; COUNTRY: USA
; ZIP: 77401
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" FLOPPY DISK, 1.44 MB
; COMPUTER: IBM COMPATIBLE
; OPERATING SYSTEM: MS-DOS 5.0/WINDOWS 3.1
; SOFTWARE: MS WORD 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/657.163A
; FILING DATE:
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/310,340
; FILING DATE: 22 SEPTEMBER 1994
; CLASSIFICATION: 514
; APPLICATION NUMBER: 08/058,387
; FILING DATE: 10 MAY 1993
; ATTORNEY/AGENT INFORMATION:
; NAME: JOHN R. CASPERSON
; REGISTRATION NUMBER: 28,198
; REFERENCE/DOCKET NUMBER: FWL-PAT-US-011
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 713-482-2961
; TELEFAX: 713-663-7290
; INFORMATION FOR SEQ ID NO: 1:

SEQUENCE CHARACTERISTICS:
LENGTH: 15
TYPE: AMINO ACID
STRANDEDNESS: SINGLE
TOPOLOGY: LINEAR
MOLECULE TYPE: PROTEIN IN SEQ ID NO: 1
HYPOTHETICAL: NO
ANTI-SENSE: NO
FRAGMENT TYPE: N
ORIGINAL SOURCE: OPOSSUM SERA: SEQ ID NO: 1:
ORGANISM: DIDEPLHIS VIRGINIANA
STRAIN: WILD
INDIVIDUAL ISOLATE: TEXAS WILD
DEVELOPMENTAL STAGE: ADULT
HAPLOTYPE:
TISSUE TYPE: BLOOD
CELL TYPE:
CELL LINE:
ORGANELLE:
IMMEDIATE SOURCE: OPOSSUM SERA SEQ ID NO: 1:
LIBRARY:
CLONE:
PUBLICATION INFORMATION:
AUTHORS: JONAS PERALES, ET AL.
TITLE: ANTI-SNAKE VENOM FORM DIDEPLHIDAE
JOURNAL: INTERNATIONAL SOCIETY ON
JOURNAL: TOXINOLOGY
VOLUME: 10TH WORLD CONGRESS ON ANIMAL
VOLUME: PLANT AND MICROBIAL TOXINS 3-8 NOV 1991, SINGAPORE
ISSUE: PROGRAMME AND ABSTRACTS
PAGES: 104
DATE: 3-8 NOV 1991
US-08-657-163A-1

Query Match 100.0% Score 84; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 5.4e-07;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LKAMDPTPLWKTE 15
DB 1 LKAMDPTPLWKTE 15

RESULT 3
US-08-657-163A-2
; Sequence 2, Application US/08657163A
; Patent No. 574449
; GENERAL INFORMATION:
; APPLICANT: BINIE V. LIPPS AND FREDERICK W. LIPPS
; TITLE OF INVENTION: EMBODIMENTS OF NATURAL AND
; TITLE OF INVENTION: SYNTHETIC LTNFS AND THEIR
; TITLE OF INVENTION: UTILITY AS TREATMENT FOR ENVENOMATION
; NUMBER OF SEQUENCES: 3
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BINIE V. LIPPS
; STREET: 4509 MIMOSA DR.
; CITY: BELLAIRE
; STATE: TEXAS
; COUNTRY: USA
; ZIP: 77401
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" FLOPPY DISK, 1.44 MB
; COMPUTER: IBM COMPATIBLE
; OPERATING SYSTEM: MS-DOS 5.0/WINDOWS 3.1
; SOFTWARE: MS WORD 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/657.163A
; FILING DATE:
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/310,340
; FILING DATE: 22 SEPTEMBER 1994
; CLASSIFICATION: 514

APPLICATION NUMBER: 08/058,387
FILING DATE: 10 MAY 1993
ATTORNEY/AGENT INFORMATION:
NAME: JOHN R. CASPERSON
REGISTRATION NUMBER: 28,198
REFERENCE/DOCKET NUMBER: FWL-PAT-US-011
TELECOMMUNICATION INFORMATION:
TELEPHONE: 713-482-2961
TELEFAX: 713-663-7290
TELEX:
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 10
TYPE: AMINO ACID
STRANDEDNESS: SINGLE
TOPOLOGY: LINEAR
MOLECULE TYPE: PEPTIDE IN SEQ ID NO: 2
HYPOTHETICAL: NO
ANTI-SENSE: NO
FRAGMENT TYPE: N
ORIGINAL SOURCE: SYNTHETIC
US-08-657-163A-2

Query Match 64.3%; Score 54; DB 1; Length 10;
Best Local Similarity 100.0%; Pred. No. 0.014;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LKAMDPTPPL 10
|||||
Db 1 LKAMDPTPPL 10

RESULT 4

US-08-188-582-20
Sequence 20, Application US/08188582
Patent No. 5534410
GENERAL INFORMATION:
APPLICANT: Tjian, Robert
APPLICANT: Comai, Lucio
APPLICANT: Dynlact, Brian D.
APPLICANT: Hoey, Timothy
APPLICANT: Ruppert, Siegfried
APPLICANT: Tanese, Naoko
APPLICANT: Wang, Edith
APPLICANT: Weinzierl, Robert O.J.
TITLE OF INVENTION: TATA-BINDING PROTEIN ASSOCIATED FACTORS,
TITLE OF INVENTION: NUCLEIC ACIDS ENCODING TAFs AND METHODS OF USE
NUMBER OF SEQUENCES: 36
CORRESPONDENCE ADDRESS:
ADDRESSEE: FLEHR, HOHBACH, TEST, ALBRITTON & HERBERT
STREET: 4 Embarcadero Center, Suite 3400
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-4187
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/188,582
FILING DATE: 28-JAN-1994
ATTORNEY/AGENT INFORMATION:
NAME: Osman, Richard A
REGISTRATION NUMBER: 36,627
REFERENCE/DOCKET NUMBER: A-57650-2/AJT/RAO
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 781-1989
TELEFAX: (415) 398-3249
TELEX: 910 277299
INFORMATION FOR SEQ ID NO: 20:
SEQUENCE CHARACTERISTICS:
LENGTH: 1213 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-646-715-20
Query Match 54.8%; Score 46; DB 1; Length 1213;
Best Local Similarity 53.3%; Pred. No. 35;
Matches 8; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

Qy 1 LKAMDPTPPLWKTE 15
|||||

SEQUENCE CHARACTERISTICS:
LENGTH: 1213 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-188-582-20

Query Match 54.8%; Score 46; DB 1; Length 1213;
Best Local Similarity 53.3%; Pred. No. 35;
Matches 8; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

Qy 1 LKAMDPTPPLWKTE 15
|||||
Db 620 LSAMDDSPVLWRLD 634

RESULT 5

US-08-646-715-20
Sequence 20, Application US/08646715
Patent No. 5637686
GENERAL INFORMATION:
APPLICANT: Tjian, Robert
APPLICANT: Comai, Lucio
APPLICANT: Dynlact, Brian D.
APPLICANT: Hoey, Timothy
APPLICANT: Ruppert, Siegfried
APPLICANT: Tanese, Naoko
APPLICANT: Wang, Edith
APPLICANT: Weinzierl, Robert O.J.
TITLE OF INVENTION: TATA-BINDING PROTEIN ASSOCIATED FACTORS,
TITLE OF INVENTION: NUCLEIC ACIDS ENCODING TAFs AND METHODS OF USE
NUMBER OF SEQUENCES: 36
CORRESPONDENCE ADDRESS:
ADDRESSEE: FLEHR, HOHBACH, TEST, ALBRITTON & HERBERT
STREET: 4 Embarcadero Center, Suite 3400
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-4187
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/646,715
FILING DATE: 09-MAY-1996
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/188,582
FILING DATE: 28-JAN-1994
ATTORNEY/AGENT INFORMATION:
NAME: Osman, Richard A
REGISTRATION NUMBER: 36,627
REFERENCE/DOCKET NUMBER: A-57650-2/AJT/RAO
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 781-1989
TELEFAX: (415) 398-3249
TELEX: 910 277299
INFORMATION FOR SEQ ID NO: 20:
SEQUENCE CHARACTERISTICS:
LENGTH: 1213 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-646-715-20
Query Match 54.8%; Score 46; DB 1; Length 1213;
Best Local Similarity 53.3%; Pred. No. 35;
Matches 8; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

Qy 1 LKAMDPTPPLWKTE 15
|||||

Db 620 LSAMDDSPVLWIRLD 634

RESULT 6

US-09-036-987A-5

Sequence 5, Application US/09036987A

Patent No. 6143526

GENERAL INFORMATION:

APPLICANT: Baltz, Richard H.

APPLICANT: Broughton, Mary C.

APPLICANT: Crawford, Kathryn P.

APPLICANT: Madduri, Krishnamurthy

APPLICANT: Merlo, Donald J.

APPLICANT: Treadway, Patti J.

APPLICANT: Turner, Jan R.

APPLICANT: Waldron, Clive

TITLE OF INVENTION: Biosynthetic Genes For Spinosyn Insecticide

TITLE OF INVENTION: Production

NUMBER OF SEQUENCES: 39

CORRESPONDENCE ADDRESS:

ADDRESSEE: Dow Agrosciences LLC Patent Department

STREET: 9330 Zionsville Road

CITY: Indianapolis

STATE: Indiana

COUNTRY: USA

ZIP: 46268

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/036.987A

FILING DATE: 09-MAR-1998

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: Stuart, Donald R

REGISTRATION NUMBER: 28,479

REFERENCE/DOCKET NUMBER: 50,608

TELECOMMUNICATION INFORMATION:

TELEPHONE: (317)337-4816

TELEFAX: (317)337-4847

INFORMATION FOR SEQ ID NO: 5:

SEQUENCE CHARACTERISTICS:

LENGTH: 4928 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

US-09-036-987A-5

Query Match 48.8%; Score 41; DB 4; Length 4928;

Best Local Similarity 50.0%; Pred. No. 8.7e+02;

Matches 7; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 1 LKAMDTPPLWIKT 14

Db 2850 LRAADVSAPLWLAT 2863

RESULT 7

US-09-370-700-5

Sequence 5, Application US/09370700

Patent No. 6274350

GENERAL INFORMATION:

APPLICANT: Baltz, Richard H

APPLICANT: Broughton, Mary C

APPLICANT: Crawford, Kathryn P

APPLICANT: Madduri, Krishnamurthy

APPLICANT: Treadway, Patti J

APPLICANT: Turner, Jan R

APPLICANT: Waldron, Clive

TITLE OF INVENTION: Biosynthetic Genes For Spinosyn Insecticide

FILE REFERENCE: 50489 DIV1

US-09-370-700-5

Sequence 5, Application US/09370700

Patent No. 6274350

GENERAL INFORMATION:

APPLICANT: Baltz, Richard H

APPLICANT: Broughton, Mary C

APPLICANT: Crawford, Kathryn P

APPLICANT: Madduri, Krishnamurthy

APPLICANT: Treadway, Patti J

APPLICANT: Turner, Jan R

APPLICANT: Waldron, Clive

TITLE OF INVENTION: Biosynthetic Genes For Spinosyn Insecticide

FILE REFERENCE: 50489 DIV1

Query Match 48.8%; Score 41; DB 4; Length 4928;

Best Local Similarity 50.0%; Pred. No. 8.7e+02;

Matches 7; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 1 LKAMDTPPLWIKT 14

Db 2850 LRAADVSAPLWLAT 2863

RESULT 8

US-08-878-989-15

Sequence 15, Application US/08878989

Patent No. 5885803

GENERAL INFORMATION:

APPLICANT: Bandman, Olga

APPLICANT: Hillman, Jennifer L.

APPLICANT: Corley, Neil C.

APPLICANT: Guegler, Karl G.

APPLICANT: Lal, Preeti

APPLICANT: Goli, Surya K.

APPLICANT: Shah, Purvi

TITLE OF INVENTION: DISEASE ASSOCIATED PROTEIN

TITLE OF INVENTION: KINASES

NUMBER OF SEQUENCES: 21

CORRESPONDENCE ADDRESS:

ADDRESSEE: Incyte Pharmaceuticals, Inc.

STREET: 3174 Porter Drive

CITY: Palo Alto

STATE: CA

COUNTRY: USA

ZIP: 94304

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette

COMPUTER: IBM Compatible

OPERATING SYSTEM: DOS

SOFTWARE: FastSeq for Windows Version 2.0

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/878,989

FILING DATE:

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER:

FILING DATE:

ATTORNEY/AGENT INFORMATION:

NAME: Billings, Lucy J J

REGISTRATION NUMBER: 36,749

REFERENCE/DOCKET NUMBER: PF-0321 US

TELECOMMUNICATION INFORMATION:

TELEPHONE: 415-855-0555

TELEFAX: 415-845-4166

TELEX:

INFORMATION FOR SEQ ID NO: 15:

SEQUENCE CHARACTERISTICS:

LENGTH: 607 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

IMMEDIATE SOURCE:

LIBRARY: GenBank

CLONE: 1827450

US-08-878-989-15

Query Match 47.0%; Score 39.5; DB 2; Length 607;
Best Local Similarity 53.8%; Pred. No. 1.7e+02;
Matches 7; Conservative 2; Mismatches 1; Indels 3; Gaps 1;
QY 6 PTPPL---WIKTE 15
| | | | | : | | | |
Db 519 PAPPLLQWVKTD 531

RESULT 9
US-09-272-796-15
; Sequence 15, Application US/09272796
; Patent No. 5207148
; GENERAL INFORMATION:
; APPLICANT: Bandman, Olga
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Corley, Neil C.
; APPLICANT: Guegler, Karl G.
; APPLICANT: Lal, Preeti
; APPLICANT: Goll, Surya K.
; APPLICANT: Shah, Purvi
; TITLE OF INVENTION: DISEASE ASSOCIATED PROTEIN
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FASTSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/272,796
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/878,989
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J.J
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0321 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-855-0555
; TELEFAX: 415-845-4166
; TELEX:
; INFORMATION FOR SEQ ID NO: 15:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 607 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: GenBank
; CLONE: 1827450
US-09-272-796-15
Query Match 47.0%; Score 39.5; DB 4; Length 607;
Best Local Similarity 53.8%; Pred. No. 1.7e+02;
Matches 7; Conservative 2; Mismatches 1; Indels 3; Gaps 1;
QY 6 PTPPL---WIKTE 15
| | | | | : | | | |
Db 519 PAPPLLQWVKTD 531

RESULT 10

US-09-047-125-15
; Sequence 15, Application US/09047125
; Patent No. 5976787
; GENERAL INFORMATION:
; APPLICANT: Leland F. Velicer, Peter Brunovskis,
; TITLE OF INVENTION: Marek's Disease Herpesvirus
; NUMBER OF SEQUENCES: 34
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Ian C. McLeod
; STREET: 2190 Commons Parkway
; CITY: Okemos
; STATE: Michigan
; COUNTRY: USA
; ZIP: 48864
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 5.25 inch, 1.2 Mb
; COMPUTER: IBM PS2, Model 50
; OPERATING SYSTEM: MS-DOS 5.0
; SOFTWARE: PC-write 3.02
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/047,125
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/736,335
; FILING DATE: July 25, 1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Ian C. McLeod
; REGISTRATION NUMBER: 20,931
; REFERENCE/DOCKET NUMBER: MSU 4.1-132
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (517) 347-4100
; TELEFAX: (517) 347-4103
; INFORMATION FOR SEQ ID NO: 15:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 98 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: N-terminal fragment
; ORIGINAL SOURCE:
; ORGANISM: pseudorabies virus (PRV)
; FEATURE:
; NAME/KEY: peptide of PRV US2 polypeptide
; LOCATION: 1 to 98
; OTHER INFORMATION: peptide homologous to the US2 gene
; OTHER INFORMATION: polypeptide of herpes simplex virus type 1 OR MDV US 2 gen
; OTHER INFORMATION: polypeptide
US-09-047-125-15
Query Match 46.4%; Score 39; DB 2; Length 98;
Best Local Similarity 63.6%; Pred. No. 30;
Matches 7; Conservative 1; Mismatches 3; Indels 0; Gaps 0;
QY 5 DPTPPLMIKTE 15
| | | | | : | | | |
Db 85 DPTAPFYITTE 95

RESULT 11
US-07-736-335E-15
; Sequence 15, Application US/07736335E
; Patent No. 6087127
; GENERAL INFORMATION:
; APPLICANT: Leland F. Velicer, Peter Brunovskis,
; TITLE OF INVENTION: Marek's Disease Herpesvirus
; NUMBER OF SEQUENCES: 34
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Ian C. McLeod
; STREET: 2190 Commons Parkway
; CITY: Okemos
; STATE: Michigan

```
;
; COUNTRY: USA
; ZIP: 48864
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 5.25 inch, 1.2 Mb
; COMPUTER: IBM PS2, Model 50
; OPERATING SYSTEM: MS-DOS 5.0
; SOFTWARE: PC-Write 3.02
;
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/736.335E
; FILING DATE: July 25, 1991
;
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
;
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/146,488
; FILING DATE: 29-OCT-1993
; APPLICATION NUMBER: US 08/448,388
; FILING DATE: 28-MAY-1996
;
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US94/12502
; FILING DATE: 31-OCT-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Heine, Holliday C.
; REGISTRATION NUMBER: 34,346
; REFERENCE/DOCKET NUMBER: DFCI-333BX
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 542-2290
; TELEFAX: (617) 451-0313
;
; INFORMATION FOR SEQ ID NO: 18:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 206 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; FRAGMENT TYPE: internal
;
; US-08-477-396A-18
;
; Query Match 46.4%; Score 39; DB 2; Length 206;
; Best Local Similarity 66.7%; Pred. No. 66;
; Matches 6; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
;
; QY 4 MDTPPLWIKTE 12
; DB 82 LDGNPPLWIKTE 90
;
; RESULT 13
; US-09-134-001C-4103
; Sequence 4103, Application US/09134001C
; Patent No. 6380370
;
; GENERAL INFORMATION:
; APPLICANT: Lynn Doucette-Stamm et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS EPIDERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: GTC-007
; CURRENT APPLICATION NUMBER: US/09/134,001C
; CURRENT FILING DATE: 1998-08-13
; PRIOR APPLICATION NUMBER: US 60/064,964
; PRIOR FILING DATE: 1997-11-08
; PRIOR APPLICATION NUMBER: US 60/055,779
; PRIOR FILING DATE: 1997-08-14
; NUMBER OF SEQ ID NOS: 5674
; SEQ ID NO 4103
; LENGTH: 286
; TYPE: PRT
; ORGANISM: Staphylococcus epidermidis
;
; US-09-134-001C-4103
;
; Query Match 46.4%; Score 39; DB 4; Length 286;
; Best Local Similarity 53.3%; Pred. No. 92;
; Matches 8; Conservative 2; Mismatches 5; Indels 0; Gaps 0;
;
; QY 1 LKAMDPTPLWIKTE 15
; DB 215 MKQLDPTPLWIKTE 229
;
; RESULT 14
; US-08-463-081B-14
; Sequence 14, Application US/08463081B
; Patent No. 5871960
```

```
;
; COUNTRY: USA
; ZIP: 48864
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 5.25 inch, 1.2 Mb
; COMPUTER: IBM PS2, Model 50
; OPERATING SYSTEM: MS-DOS 5.0
; SOFTWARE: PC-Write 3.02
;
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/736.335E
; FILING DATE: July 25, 1991
;
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
;
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/146,488
; FILING DATE: 29-OCT-1993
; APPLICATION NUMBER: US 08/448,388
; FILING DATE: 28-MAY-1996
;
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US94/12502
; FILING DATE: 31-OCT-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Heine, Holliday C.
; REGISTRATION NUMBER: 34,346
; REFERENCE/DOCKET NUMBER: DFCI-333BX
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 542-2290
; TELEFAX: (617) 451-0313
;
; INFORMATION FOR SEQ ID NO: 15:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 98 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: N-terminal fragment
; ORIGINAL SOURCE:
; ORGANISM: pseudorabies virus (PRV)
; FEATURE:
; NAME/KEY: peptide of PRV US2 polypeptide
; LOCATION: 1 to 98
; OTHER INFORMATION: peptide homologous to the US2 gene
; OTHER INFORMATION: polypeptide of herpes simplex virus type 1 OR MDV US 2 gene
; OTHER INFORMATION: polypeptide
;
; US-07-736-335E-15
;
; Query Match 46.4%; Score 39; DB 3; Length 98;
; Best Local Similarity 63.6%; Pred. No. 30;
; Matches 7; Conservative 1; Mismatches 3; Indels 0; Gaps 0;
;
; QY 5 DTPPLWIKTE 15
; DB 85 DTPAPFYITTE 95
;
; RESULT 12
; US-08-477-396A-18
; Sequence 18, Application US/08477396A
; Patent No. 5872235
;
; GENERAL INFORMATION:
; APPLICANT: Chen, Lan Bo
; APPLICANT: Bao, Shideng
; APPLICANT: Liu, Yuan
; TITLE OF INVENTION: A NOVEL TUMOR MARKER AND NOVEL METHOD OF ISOLATING SAME
; NUMBER OF SEQUENCES: 19
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Weingarten, Schurgin, Gagnebin & Hayes
; STREET: Ten Post Office Square
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02109
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/477,396A
```

; Patent No. 5871960 5837487
; GENERAL INFORMATION:
; APPLICANT: Smith, Kendall A. & Beadling, Carol
; TITLE OF INVENTION: Nucleic Acids Encoding CR5 Polypeptide,
; AND EXPRESSION THEREOF
; NUMBER OF SEQUENCES: 35
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: PRETTY, SCHROEDER & POPLAWSKI
; STREET: 444 South Flower St. - Suite 1900
; CITY: Los Angeles
; STATE: California
; COUNTRY: USA
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0,
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/463,081B
; FILING DATE: 5-JUN-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/104,736
; FILING DATE: 10-AUG-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/796,066
; FILING DATE: 20-NOV-91
; ATTORNEY/AGENT INFORMATION:
; NAME: Viviana Amzel, Ph. D.
; REGISTRATION NUMBER: 30,930
; REFERENCE/DOCKET NUMBER: DART-060
; TELEPHONE: (213) 622-7700
; TELEFAX: (213) 489-4210
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 412 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-463-081B-14

Query Match 46.4%; Score 39; DB 2; Length 412;
Best Local Similarity 46.7%; Pred. No. 1.3e+02;
Matches 7; Conservative 5; Mismatches 3; Indels 0; Gaps 0;
QY 1 LKAMPTPLWIKTE 15
|:|:| ||| :|:
Db 397 LQALKPIPLNLETK 411

RESULT 15
US-08-461-379A-14
; Sequence 14, Application US/08461379A
; Patent No. 5871961
; GENERAL INFORMATION:
; APPLICANT: Smith, Kendall A. & Beadling, Carol
; TITLE OF INVENTION: Nucleic Acids Encoding CR5 Polypeptide,
; AND EXPRESSION THEREOF
; NUMBER OF SEQUENCES: 35
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Ratner & Prestia
; CITY: Valley Forge
; STATE: Pennsylvania
; COUNTRY: USA
; ZIP: 19482
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0,
; SOFTWARE: Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/461,379A
; FILING DATE: 5-JUNE-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: USN 08/330,108; 08/104,736
; APPLICATION NUMBER: 07/796,066
; FILING DATE: 27-OCT-1994; 10-AUG-1993 & 20-NOV-91
; ATTORNEY/AGENT INFORMATION:
; NAME: Viviana Amzel, Ph. D.
; REGISTRATION NUMBER: 30,930
; REFERENCE/DOCKET NUMBER: DART-070
; TELEPHONE: (610)470-0700
; TELEFAX: (610)470-0701
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 412 amino acids
; TYPE: aminc acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-461-379A-14

Query Match 46.4%; Score 39; DB 2; Length 412;
Best Local Similarity 46.7%; Pred. No. 1.3e+02;
Matches 7; Conservative 5; Mismatches 3; Indels 0; Gaps 0;
QY 1 LKAMPTPLWIKTE 15
|:|:| ||| :|:
Db 397 LQALKPIPLNLETK 411

Search completed: June 27, 2003, 18:03:00
Job time : 15 secs

